TriFlex™

Powered Subwoofer and Stereo Satellite System

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Intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risk of electrical shock — DO NOT OPEN!
CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

Este símbolo tiene el propósito, de alertar al usuario de la presencia de “(voltaje) peligroso” sin aislamiento dentro de la caja del producto y que puede tener una magnitud suficiente como para constituir riesgo de descarga eléctrica.

Este símbolo tiene el propósito de alertar al usario de la presencia de instruccones importantes sobre la operación y mantenimiento en la información que viene con el producto.

PRECAUCION: Riesgo de descarga eléctrica iNO ABRIR!
PRECAUCION: Para disminuír el riesgo de descarga eléctrica, no abra la cubierta. No hay piezas útiles dentro. Deje todo mantenimiento en manos del personal técnico cualificado.

ADVERTENCIA: Para evitar descargas eléctricas o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato Antes de usar este aparato, lea más advertencias en la guía de operación.

Ce symbole est utilisé dans ce manuel pour indiquer à l’utilisateur la présence d’une tension dangereuse pouvant être d’amplitude suffisante pour constituer un risque de choc électrique.

Ce symbole est utilisé dans ce manuel pour indiquer à l’utilisateur qu’il ou qu’elle trouvera d’importantes instructions concernant l’utilisation et l’entretien de l’appareil dans le paragraphe signalé.

ATTENTION: Risques de choc électrique — NE PAS OUVRIR!
ATTENTION: Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l’intérieur aucune pièce pouvant être reparée par l’utilisateur. Confiez l’entretien et la réparation de l’appareil à un réparateur Peavey agréé.

AVERTISSEMENT: Afin de prévenir les risques de décharge électrique ou de feu, n’exposez pas cet appareil à la pluie ou à l’humidité. Avant d’utiliser cet appareil, lisez attentivement les avertissements supplémentaires de ce manuel.

Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.

Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

VORSICHT: Risiko — Elektrischer Schlag! Nicht öffnen!
VORSICHT: Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung enfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

ACHTUNG: Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electrical products, basic cautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding plug. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.
11. Note for UK only: If the colors of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows:

    a) The wire that is colored green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, colored green or colored green and yellow.

    b) The wire that is colored blue must be connected to the terminal that is marked with the letter N or the color black.

    c) The wire that is colored brown must be connected to the terminal that is marked with the letter L or the color red.
12. Only use attachments/accessories provided by the manufacturer.
13. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
16. Never break off the ground pin. Write for our free booklet "Shock Hazard and Grounding." Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
17. If this product is to be mounted in an equipment rack, rear support should be provided.
18. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational and Health Administration (OSHA) has specified the following permissible noise level exposures:

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Ear plugs or protectors to the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss, if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS!

ENGLISH

TriFlex™ Powered Subwoofer and Stereo Satellite System

Thank you for purchasing the TriFlex. The TriFlex is designed, from start to finish, with flexibility in mind. This system delivers 1500 Watts of peak dynamic power to the sub and another 750 Watts of peak dynamic power to the left and right satellite speaker outputs. The TriFlex is designed as a complete package, with a subwoofer driving its own pair of satellite mid/high frequency passive speakers from the left and right power output jacks. There also are facilities for line-level mid/high outputs for driving other mid/high frequency active, separately powered speakers. Alternatively, the TriFlex powered subwoofer can be used as a stand-alone sub.

Featuring Peavey's patented DDT™ compression, the awarding-winning KOSMOS® and a Low Rider® Black Widow® woofer, the TriFlex is one of the most portable, powerful, and flexible 3-way systems available.

Please read this guide carefully to ensure your personal safety as well as the safety of your equipment.

Features

- Powered system with 1000 Watts of continuous power and 1500 Watts of peak dynamic power
- DDT compression (amplifier protection and clip eliminator)
- 15" Low Rider bass woofer
- Peak SPL in excess of 128 dB
- KOSMOS sub-harmonic generator system with bypass switch
- Left & right power amp outputs with high-pass crossover for the satellites
- Built-in electronic crossover with line-level high-pass output
- 1/4" TRS and female XLR line-level balanced inputs
- Male XLR thru output
- Compact dimensions
- Heavy duty, inset handles on both sides
- Lockable casters
- Two tripod pole stands for the satellite speakers
- Heavy duty slip cover, including a bottom cover for amplifier protection

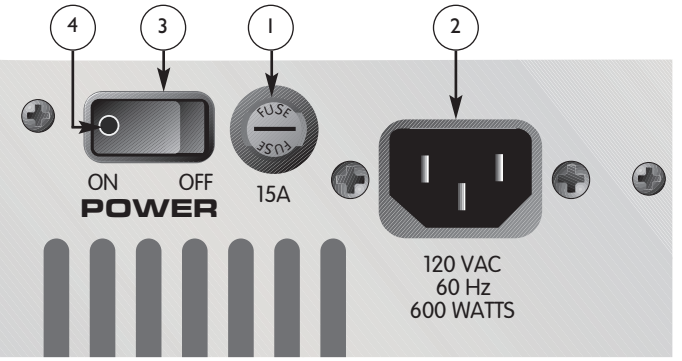
Description

The Peavey® TriFlex™ is a powered, three-way piece speaker system designed to provide the highest levels of performance in a compact package. The subwoofer unit is loaded with the new, high power handling 15" Low Rider® Black Widow® bass woofer. The TriFlex subwoofer is constructed of premium plywood, covered with a tough, road-worthy black carpet. A 16-gauge, perforated metal grille with powder-coated finish covers the front of the system to protect the speakers. The TriFlex includes two tripod pole stands for mounting the speakers.

Flexibility is designed into the TriFlex. Balanced inputs for each channel are provided and include one combo female XLR and 1/4" TRS phone jack plus one male XLR thru, all connected in parallel. The power amplifiers are low-distortion units that supply 1500 Watts of peak dynamic power to the bridged subwoofer, and up to 750 Watts peak dynamic power to the left and right satellite speakers. The amplifiers feature Peavey's patented DDT™ compression that virtually eliminates audible power amplifier clipping.

For ease of transport, inset metal handles on each side of the sub are provided. For pack-up and transport, removable locking casters are located on the rear of the sub. This allows the unit to be rotated onto its back and moved with ease. In this position, the satellites are designed to rest face-to-face on the sub's grille. The entire unit is slipcovered, with a protective flap for the amplifier, which becomes the bottom of the unit when rolled. The speaker cables are placed in the cover pockets and the speaker stands in their own pouches. This makes for a compact and complete package for easy transport.

REAR PANEL



Fuse (1)

The TriFlex AC is protected from overload and fault conditions with an ABC-type fast-blow 15 Amp fuse. The fuse is located within the cap of the fuse holder. If the fuse fails, THE FUSE MUST BE REPLACED WITH THE SAME TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING THE WARRANTY. If the amplifier repeatedly blows the fuse, it should be taken to a qualified service center for repair.

IEC Power Cord Connection (2)

This receptacle is intended to accept an IEC terminated line cord (included) that provides AC power to the unit. It is very important that you ensure the TriFlex is supplied with the proper AC power line voltage. You can find the proper voltage for your TriFlex printed next to the IEC line (power) cord on the rear panel of the unit.

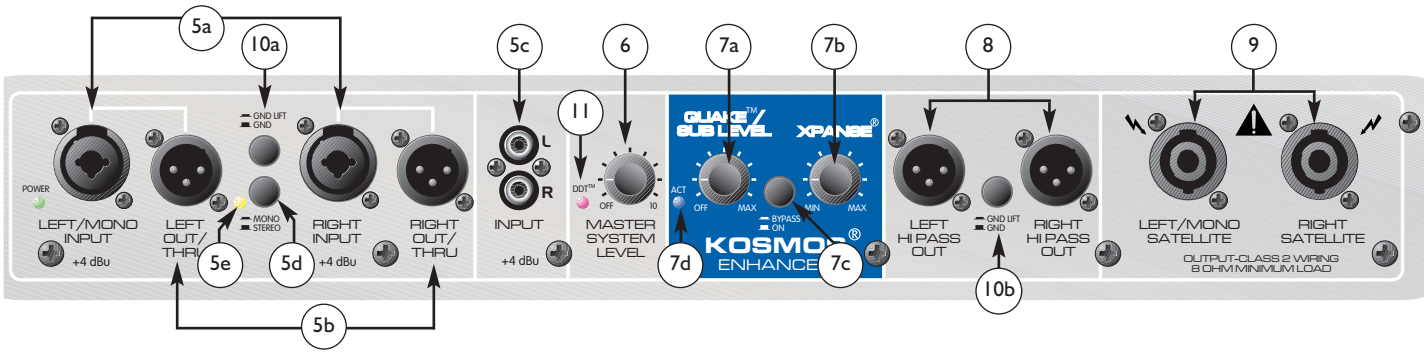
If a North American AC power receptacle is of the two-wire type (i.e., does not include a third wire ground pin hole), never circumvent this situation by breaking off the ground pin of the AC power cord. The ground pin is provided for your safety. Suitable grounding adapters are available at your local hardware store. This allows proper third-wire grounding to the AC power outlet cover screw. To prevent the risk of shock or fire, always make sure that all other associated audio equipment is also properly grounded, preferably to the same AC power outlet breaker circuit.

Power Switch (3)

This rocker switch supplies AC mains power to the TriFlex when in the ON position.

Power LED (4)

This LED illuminates when the Power Switch is in the ON position.



Inputs (5)

The line-level left (5a) and right (5b) stereo channel input jack groups consist of a combo female XLR and 1/4" TRS connector and a male XLR running in parallel. This arrangement allows the audio input signal to be daisy-chained to additional TriFlex units, or other line-level devices, such as power amps for remote speakers.

Unbalanced, L/R stereo RCA-type input jacks (5c) are also provided for CD players or similar units. A mono switch (5d) feeds the left input to both channels when not running in stereo mode.The adjacent yellow LED (5e) lights when the unit is placed in mono mode.

Master System Level (6)

When used in conjunction with the KOSMOS® controls (7), this knob controls the overall system gain (volume) of the TriFlex. The adjacent red LED (11) indicates activation of the built-in DDT™ compression should the system approach maximum power output. See number (11) below for more details on DDT compression.

KOSMOS (7)

The KOSMOS feature is a low-frequency reinforcement and stereo imaging enhancement system that augments the input signal by generating bass notes one octave below (Quake™ function) the original, and allowing the stereo image to be widened (Xpanse® function). This patented enhancement is also available as a separate processor unit.

The Quake Sub Level knob (7a) sets the powered subwoofer output and simultaneously sets the amount of KOSMOS Quake function. The Xpanse knob (7b) controls the amount of high frequency expansion applied to the high-pass outputs (8) and the speaker level outputs (9).The bypass switch (7c) bypasses the KOSMOS entirely. When in bypass mode, the Quake Sub Level knob sets the powered subwoofer level without any KOSMOS effect. The adjacent, blue LED (7d) illuminates when the Quake function is active.

High-Pass Output (8)

These left and right, line-level, high-pass frequency outputs track with the level of the Master System Level control (6). They provide a 120 Hz high-pass output for a separate or remotely located powered speaker system, or a power amp used with a passive speaker system.

Speaker Level Powered Outputs (9)

The left and right speaker level outputs allow connection of the TriFlex stereo, satellite mid/high frequency speakers. The signals at these outputs are passively high-pass filtered to protect the satellite speakers from excessive low bass.

Ground Lift Switches (10)

These switches can break ground loops on the input channels (10a) and high-pass outputs (10b). Leave these in the normal position unless there is a need to break such a ground loop (i.e., unusual system hum or noise). They can be switched independently or in combination to reduce any system hum.

DDT LED (11)

This LED will illuminate at the onset of power amplifier clipping. If the LED is flashing quickly and intermittently, the unit is just reaching the clipping threshold. A steady glow means the unit is reducing signal gain to limit the output to all of the speakers. During initial power-up, the DDT LED will light, indicating that the RampUp™ gain-reduction circuitry is activated.

OPERATING INSTRUCTIONS

CAUTIONS

Clearance of 12" or 10 cm from the rear of the sub to any combustible surface must be maintained.

The left input jack group or right input jack group (5) are hard-wired together to allow use of any of the connector types as an input and to allow a further send or daisy-chaining of the input signal to some other audio device (such as another TrifFex™). Attempting to run two individual signals into the TriFlex left input jack group or right input group could damage the output(s) of the source unit(s). Use a mixer to combine two or more signals into a single channel before sending to the TriFlex input.

Warning: The TriFlex sound system can permanently damage hearing. Use caution when setting the overall maximum loudness.This system is capable of SPL in excess of 128 dB at 1m from the speaker!

Using the Pole Stand Base

The included tripod pole stand allows the use of the TriFlex satellite speakers. These pole stands should not be extended beyond 65" in height or carry more than 20 lbs. each in weight.

Sending Audio Signal to the TriFlex

There are a variety of ways to provide audio signals to the TriFlex. The balanced line-level input(s) allow the use of an XLR plug or a 1/4" phone plug: either a standard, single-ended TS (tip/sleeve) plug or a balanced TRS (tip/ring/sleeve) type 1/4" phone plug. It is not advisable to connect cables to the jacks while the unit is ON and the volume is turned up.

The XLR plug will provide superior performance, whereas the standard, single-ended 1/4" phone plug will also work and the balanced input circuitry will provide some interference rejection. Plugging into the RCA jacks or plugging a mono 1/4" plug into the combo jack will cause the thru jack to operate in unbalanced mode. If hum or other interference problems result from the thru output, it will be helpful to lift the ground TriFlex input only. This can be accomplished via the convenient ground lift switch (10a) found underneath the input jack group. Check any input changes carefully. Always turn the volume controls down before plugging and unplugging cables or switching the ground lift switches.

Volume Control Adjustment

The TriFlex is equipped with a Master System Level volume control (6). When the Master System Level is adjusted fully clockwise, gain is at maximum and the input sensitivity is 0.375 VRMS for full-rated output. When this control is set halfway up, gain is unity and 1.5 VRMS will drive the system to full power output. When driving the TriFlex from a mixer, it may be advantageous to reduce the input sensitivity by turning the volume control to the halfway point. At this setting, the TriFlex will more closely match the output of a mixer and provide an appropriate input of the internal power amp.

The amplifiers in the TriFlex are equipped with DDT™ compression. This unit also includes an LED (11) that illuminates when DDT is activated. This LED is located next to the Master System level. The DDT circuit will automatically reduce the system gain to a level just slightly into clipping, guarding the speakers against the overloads. Situations that may activate the DDT circuit include uncontrolled feedback, oscillations, or an improper equipment setting or malfunction upstream from the TriFlex system.

Always turn any peripheral units to ON before turning on the TriFlex. Also, make sure the Master SystemLevel is completely down (counterclockwise) before turning the unit on. Likewise, turn the TriFlex system to OFF before shutting down any peripheral units.

Adjusting the KOSMOS® Processing Level

The amount of KOSMOS processing is dependent upon the input signal level of the TriFlex™ system. In order to achieve more subharmonic processing, turn the Quake™ Sub Level knob (7a) up. Similarly, the amount of stereo spread is controlled by the Xpanse® level knob (7b).

When using the TriFlex with a powered, full-range speaker system from the line-level, high-pass outputs (8), the powered, full-range speakers will usually have their own volume control. This will allow the high frequency level to be set independently. However, the KOSMOS Xpanse control (7b) for adjusting stereo spread can only be adjusted at the TriFlex subwoofer.

High-Pass Outputs

These are low impedance, high-pass frequency outputs that are provided to send the high frequencies to a powered speaker or to a conventional power amp and a separate speaker system than the TriFlex satellite speakers. The output level tracks the Master System level control on the TriFlex.

The nominal polarity of these outputs is positive (pin 2) and can be run directly into most full-range, powered speaker systems, or to a conventional power amp and a separate speaker system. If you experience hum or related ground loop problems, it might help to lift the shield ground on the balanced XLR cable at the TriFlex end. This can be accomplished via the convenient ground lift switch (10b) located underneath the High-pass output jack group. Check any input changes carefully. Always turn the volume control down before plugging and unplugging cables or switching ground lift switches.

Left & Right Outputs

These outputs will supply a full-range, 8 Ohm minimum speaker system with a high-pass frequency amplifier signal when using the TriFlex with speakers other than the TriFlex satellite speakers. The Xpanse control (7b) will expand the stereo sound stage and add high frequency processing to these outputs.

TriFlex as a Subwoofer Only (Add-On Use)

When using the TriFlex as a powered subwoofer only, connect a full-range stereo signal to the inputs (5) or plug a mono signal into the left input (5a) and engage the Mono switch (5d). The subwoofer will reproduce frequencies from approximately 45 Hz to120 Hz.

TriFlex: Subwoofer with Built-in Crossover

To fully utilize the built-in crossover, a line-level, high-pass signal is available at the high-pass output jacks (8). Use the left output to send the high-pass output to a powered, full-range speaker or to a power amp and full-range speaker. The full-range speakers will reproduce frequencies from 120 Hz and up. This can be repeated if multiple TriFlex units are used in a larger interconnected system.

Connecting Multiple Triflex Systems

The TriFlex is designed with multiple parallel inputs that allow daisy-chaining from one TriFlex system to another. Connect the first cable from the mixer output to the first TriFlex. Then, connect a cable from the first TriFlex's thru jack to the second TriFlex's input. This connection can be continued for several units, depending on the total length and capacitance of the cables. With a low source impedance output from a typical mixer and by using quality, balanced cables, several TriFlex systems can be daisy-chained from one output using 30 or 40 foot cables without obvious problems or distortion. It is not advisable to connect cables to the jacks while the units are ON and the Volume is turned up.

Applications

The TriFlex has a variety of applications such as sound reinforcement, public address or musical playback. DJ use is supported in the three-channel stereo mode. Of course, using the TriFlex in the traditional role - strictly as a powered subwoofer - is also a great choice. A typical signal source for the line-level inputs (5) would be a sound reinforcement mixing console (mixer) or the output from a CD player or tape deck.

TROUBLESHOOTING

No Output

First, make sure the unit has AC power and is turned on. Ensure the Power LED (4) is illuminated. If not, make certain the On/Off switch (3) is in the ON position and check the IEC power cord connection (2) by ensuring it is fully engaged and seated. Make certain the AC line cord is plugged into a working AC outlet. Finally, check the fuse (1). (See the Rear Panel: Fuse section for safety instructions.)

Once assured your unit is getting AC power, check that the TriFlex is receiving a signal. Disconnect the cable running to the TriFlex inputs and connect it to some other device capable of reproducing the signal (i.e., a power amp and speaker). If this produces a signal, make sure the Master System level control has been turned up to a satisfactory level (1/3 to 1/2 up).

If the TriFlex has been subjected to direct sunlight or excessive heat, the built-in thermal protection may have been triggered. If you suspect this may be the cause, turn off the TriFlex and let it cool for a sufficient amount of time.

If there is still no output, contact your authorized Peavey dealer or the Peavey International Service Center.

Hum or Buzz

If the TriFlex is producing a hum or buzz, it could be AC-outlet related. Try plugging the unit into a different AC outlet. Sometimes, if the mixer and the TriFlex are on different circuits (breakers), hum problems can result. Ensure that shielded cables have been used to route the signal to the TriFlex's inputs. If speaker cables with 1/4" plugs are used as input cables instead of shielded cables, the system will be prone to hum or buzz.

Hum may be ground-loop related. Two ground lift switches are provided on the TriFlex. One is located at the input jack group (10a) and the other at the high-pass output jacks (10b). Check any input changes carefully by first turning down the volume control, then plugging and unplugging cables or switching ground lifts.

Check to make sure light dimmers are not on the same circuit as the TriFlex, the mixer or any audio source devices. If light dimmers are used, then it may be necessary to turn them full ON or OFF to eliminate or reduce hum. This is a typical AC wiring/light dimmer interference problem and not a design flaw of the TriFlex. The third wire ground plug on the AC plug should NEVER be removed or broken off.

Rattling or Buzzing

The TriFlex produces extremely high output capacity at very low frequencies. It is capable of vibrating objects that are not solidly affixed or mounted. It can excite light fixtures, suspended ceilings, racks, shelves, tables, chairs, equipment cases, lift handles on equipment, casters, doors, windows, etc. Be sure to check where the sound is coming from, as it is likely coming from one of these sources and not a fault of the unit.

Excessive High Frequency Output from the Subwoofer

Ensure the Mono button (5d) is switched to the ON (In) position. This should eliminate any high frequency output from the subwoofer. If the unit is being used in three-channel stereo mode, some high frequencies may be generated by the subwoofer when a high-frequency signal is present in only one channel. This is normal and should not present a problem.

Male Vocals Sound Muddy or Boomy

The level of the subwoofer may be turned up too high or the KOSMOS® may be set too high. Turn down the subwoofer level by turning down the Quake™ Sub level control (7a) until the sound improves. To reduce the amount of KOSMOS processing without changing the subwoofer level, turn the Master System level control (6) down and the Quake Sub level control (7a) up until the subwoofer is back at the previous level. When in three-channel operation, turn the Quake Sub level control (7a) down.

Distorted or Fuzzy Sound

First, ensure the mixer (signal source) is not clipping or being overdriven. Make sure the volume control (6) on the TriFlex™ has not been set too low. Remember, it takes a lot of signal to drive the unit to full power.

Check that the input plugs are fully seated in the input jacks (5) on the rear panel of the TriFlex. Ensure that the proper inputs are being used for the line-level signals and that a power amp has NOT been plugged into one of the input jacks of the TriFlex. If an extension cord is being used to supply AC power to the unit, ensure that it is of sufficient current capacity and that it is not also being used to supply power to any other device.

The TriFlex has built-in EQ to extend and smooth the natural response of the woofer in any system. Bass boost is applied and the system has a nominally flat response and should require little, if any, additional EQ. If excessive bass boost has been added externally to the TriFlex, it could cause premature overload at very high SPLs. Reducing the amount of external (mixer or rack) EQ should eliminate any distortion. If the KOSMOS function switch (7c) has been engaged, try bypassing it to see if that eliminates the distortion.

If you are using additional speakers connected to the Left and Right outputs (9), ensure they 8 Ohm minimum impedance. Remove the speakers temporarily to determine if this is the source of distortion. If the distortion is emanating from the left and right speakers, the total capacity of the TriFlex or the speakers has possibly been exceeded. Reduce the drive level and re-check the speakers for impedance (8 Ohm minimum).

CARE & MAINTENANCE

Your TriFlex is a sturdy and durable product that will provide years of reliable use if properly cared for. Use common sense and read the safety warnings to avoid hazardous operating conditions. The unit must be disconnected from the AC power source before any maintenance is performed. Please refer all service issues to qualified service personnel**.**

Sunlight/Heat

Avoid prolonged exposure to direct sunlight, as this may cause the unit to overheat and shut down. Excessively hot operating conditions can also cause a thermal shutdown. Do not store in extremely hot or cold conditions or extremely high humidity.

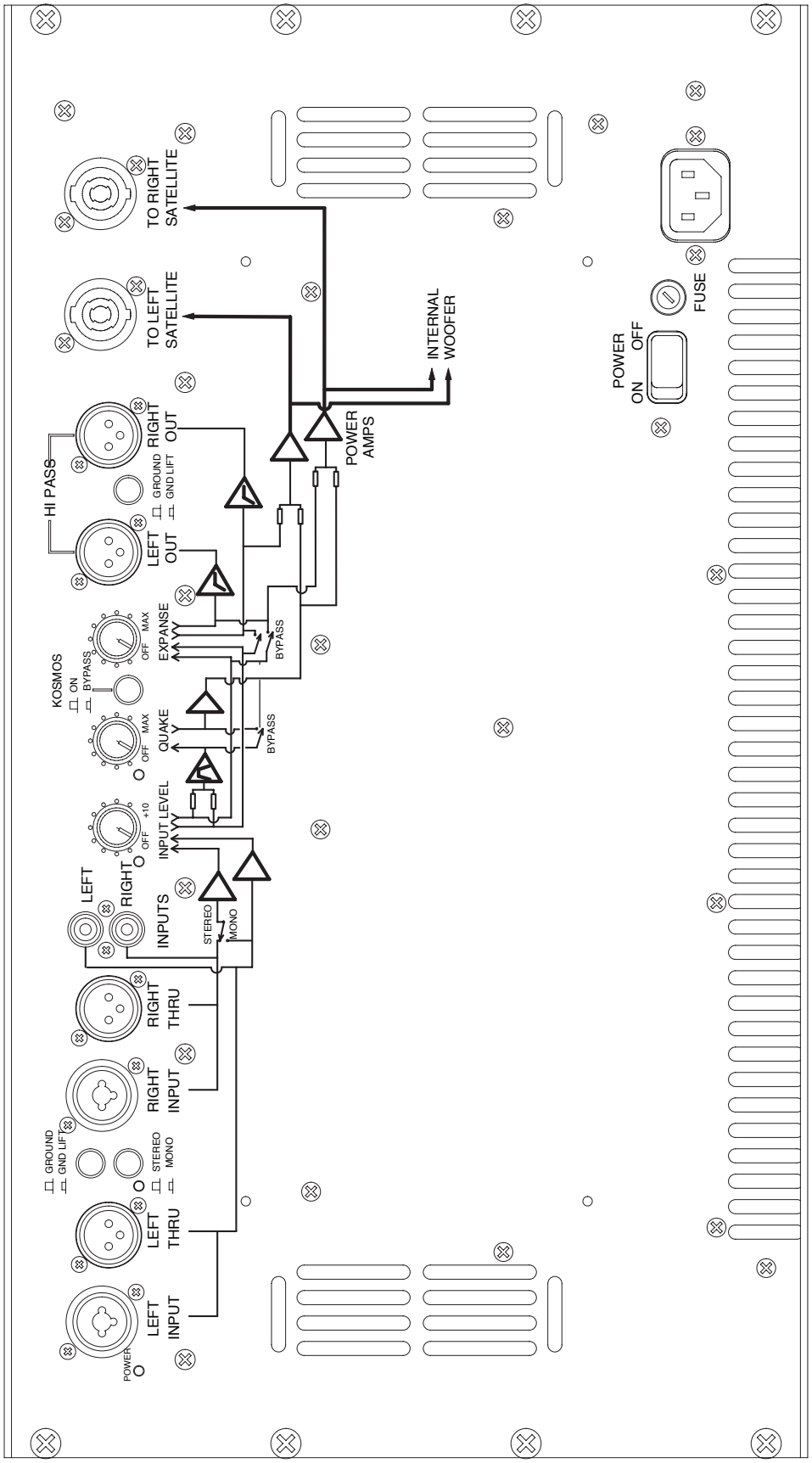
Cleaning

A dry cloth may be used to remove soil or other dirt. Never use strong solvents on the TriFlex. Do not allow any fluids to drip inside the TriFlex system's vent openings, or through the grille.

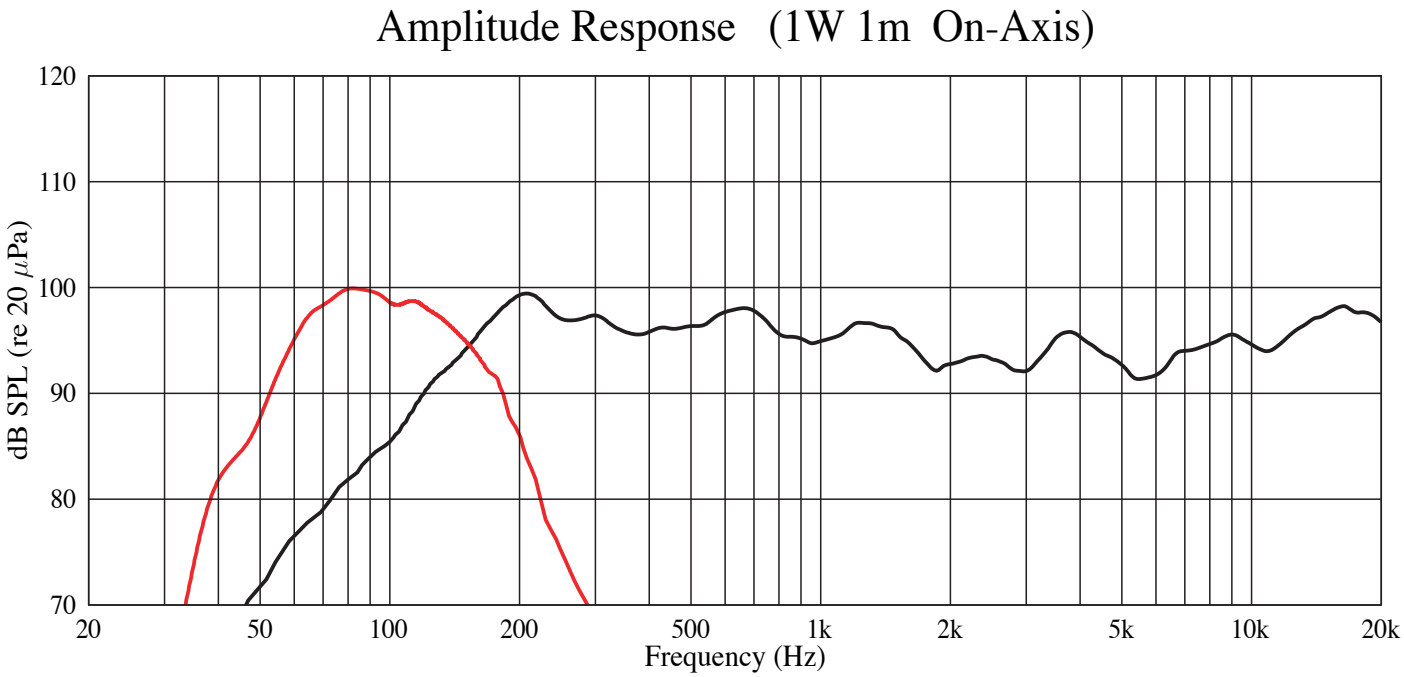
Check for Secure Hardware

After the first few months of use and periodically thereafter, check the hardware for tightness. Make sure to check the rear-panel screws and the baffle screws. The unit, in use, is subject to a great deal of vibration that may cause the screws to loosen over time.

TriFlex™ Block Diagram of Signal Flow



FREQUENCY RESPONSE CURVE



TriFlex™

Powered Subwoofer and Stereo Satellite System

SPECIFICATIONS

Enclosure
TriFlex (domestic)

Frequency Response
45 Hz to 120 Hz

Usable Power Amplifier (at 120 VAC line)
Subwoofer section alone
- 1500 Watts peak dynamic power, bridged mode
- 1000 Watts coninuous at less than 0.3% distortion

L & R Output section alone
- 750 Watts peak dynamic power either channel

All channels loaded full
Subwoofer section
- 750 Watts peak dynamic power
- 500 Watts continuous

L & R output section
- 375 Watts peak dynamic power either channel
- 250 Watts continuous

Nominal Sensitivity (1W at 1M, swept sine input in anechoic environment)
95 dB

Maximum Sound Pressure Level
128 dB peak

Transducer Complement
1508-8 HPS 15" Low Rider™ Bass woofer

Box Tuning Frequency (FBox)
40 Hz

Electronic Crossover Frequency
120 Hz

Crossover Type
Internal electronic two-way crossover with bass boost and 24 dB/octave subsonic filtering with active soft-knee limiter on level-controlled low pass. Variable high-pass output.

Crossover Slopes
24 dB/octave (4th order) Linkwitz-Riley low-pass and driver EQ. 24 dB/octave (4th order) Linkwitz-Riley high bass.

Full-Range Input Connections
One combo female XLR/1/4" phone jack providing balanced operation

Full-Range Output Connections
One male XLR balanced thru connector

High-Pass Output Connections
One male XLR connector

Left and Right Output Connections
One Neutrik® Speakon® four-pin connector each. Minimum speaker impedance 8 Ohms each.

Enclosure Materials and Finish
Plywood and MDF, scuff-resistant black speaker carpet

Mounting
Four large rubber feet for floor use. This unit is not designed for overhead suspension. Satellite speaker mounting via tripod pole stands.

Dimensions
20.75" (52.71 cm) wide x 23.25" (59.06 cm) deep x 52.75" (133.99 cm) tall

Net Weight
127 lbs. (57.61 Kg)

Shipping Weight and Dimensions
146.3 lbs. (66.36 Kg)
26.75" (67.95 cm) wide x 23.5" (59.06 cm) deep x 55.25" (140.34 cm) tall

Electronics and Amplifier
SPECIFICATIONS

Electronic Input Impedance (Nominal)
Primary balanced input: 10 kOhms unbalanced, 20 kOhms balanced

Infrasonic Filter Protection
48 dB/octave roll-off with active soft-knee limiter

Nominal Amplifier Frequency Response
+0, -1 dB from 10 Hz to 30 kHz

Hum and Noise
Greater than 90 dB below rated power

Active Low Frequency Limiter Dynamic Range
Greater than 60 dB

DDT Dynamic Range
Greater than18 dB

THD and IM
Typically less than 0.3%

Damping Factor
Greater than 100 at 1000 Hz, 8 Ohms

Power Requirements of TriFlex System (domestic)
1300 Watts, 120VAC, 60 Hz

PEAVEY ELECTRONICS CORPORATION LIMITED WARRANTY

Effective Date: July 1, 1998

What This Warranty Covers
Your Peavey Warranty covers defects in material and workmanship in Peavey products purchased and serviced in the U.S.A. and Canada.

What This Warranty Does Not Cover
The Warranty does not cover: (1) damage caused by accident, misuse, abuse, improper installation or operation, rental, product modification or neglect; (2) damage occurring during shipment; (3) damage caused by repair or service performed by persons not authorized by Peavey; (4) products on which the serial number has been altered, defaced or removed; (5) products not purchased from an Authorized Peavey Dealer.

Who This Warranty Protects
This Warranty protects only the original retail purchaser of the product.

How Long This Warranty Lasts
The Warranty begins on the date of purchase by the original retail purchaser. The duration of the Warranty is as follows:

Product Category	Duration
Guitars/Basses, Amplifiers, Pre-Amplifiers, Mixers, Electronic Crossovers and Equalizers	2 years *(+ 3 years)
Drums	2 years *(+ 1 year)
Enclosures	3 years *(+ 2 years)
Digital Effect Devices and Keyboard and MIDI Controllers	1 year *(+ 1 year)
Microphones	2 years
Speaker Components (incl. speakers, baskets, drivers, diaphragm replacement kits and passive crossovers) and all Accessories	1 year
Tubes and Meters	90 days

[*Denotes additional warranty period applicable if optional Warranty Registration Card is completed and returned to Peavey by original retail purchaser within 90 days of purchase.]

What Peavey Will Do
We will repair or replace (at Peavey's discretion) products covered by warranty at no charge for labor or materials. If the product or component must be shipped to Peavey for warranty service, the consumer must pay initial shipping charges. If the repairs are covered by warranty, Peavey will pay the return shipping charges.

How To Get Warranty Service
(1) Take the defective item and your sales receipt or other proof of date of purchase to your Authorized Peavey Dealer or Authorized Peavey Service Center.
OR
(2) Ship the defective item, prepaid, to Peavey Electronics Corporation, International Service Center, 412 Highway 11 & 80 East, Meridian, MS 39301 or Peavey Canada Ltd., 95 Shields Court, Markham, Ontario, Canada L3R 9T5. Include a detailed description of the problem, together with a copy of your sales receipt or other proof of date of purchase as evidence of warranty coverage. Also provide a complete return address.

Limitation of Implied Warranties
ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.
Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Exclusions of Damages
PEAVEY'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT, AT PEAVEY'S OPTION. IF WE ELECT TO REPLACE THE PRODUCT, THE REPLACEMENT MAY BE A RECONDITIONED UNIT. PEAVEY SHALL NOT BE LIABLE FOR DAMAGES BASED ON INCONVENIENCE, LOSS OF USE, LOST PROFITS, LOST SAVINGS, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE, OR ANY OTHER DAMAGES WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you have any questions about this warranty or service received or if you need assistance in locating an Authorized Service Center, please contact the Peavey International Service Center at (601) 483-5365 / Peavey Canada Ltd. at (905) 475-2578.

Features and specifications subject to change without notice.

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